

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A shelter-providing solar tracking assembly comprising:

at least one fixed support structure comprising:

at least one support pillar, said support pillar having a first end connected to a ground surface and extending substantially vertically along a longitudinal axis from said first end to a second top end;

a horizontal array support beam disposed ~~on~~ at said second end of said at least one support pillar, said horizontal array support beam ~~having~~ comprising a longitudinal axis substantially perpendicular to said longitudinal axis of said at least one support pillar;

at least one drive assembly disposed ~~on a~~ at said end top of at least one of said support pillars and positioned collinear with said horizontal array support beam~~[[,]]~~ and comprising at least one drive assembly coupler tube;

at least one rotor bearing assembly comprising at least one rotor bearing assembly coupler tube rotatably disposed in a sleeve bearing, said rotor bearing assembly coupler tube further rotatably disposed within a coupler torque tube and disposed at said second end of said horizontal array support beam at said top end of said support pillar;

at least one solar power array disposed on said support structure comprising a plurality of solar panels comprising photovoltaic cells, said at least one solar power array moveable on an axis and in communication with said drive assembly to track movement of the sun, said at least one solar power array forming an overhead canopy for at least one item disposed directly beneath said at least one solar power array, and providing electrical power to a building or structure located nearby;

an inverter to convert energy from direct current to alternating current; and

~~wherein~~ said at least one support pillar ~~is of~~ at a sufficient height to permit placement of the at least one item beneath said canopy without obstructing a movement of said at least one solar power array about said axis.

2. (original): The assembly of claim 1 further comprising a back-up generator.

3. (original): The assembly of claim 1 further comprising at least one battery to store generated power.

4. 4. (original): The assembly of claim 1 further comprising at least one electric output connector.

5. (previously presented): The assembly of claim 1 wherein the item comprises at least one vehicle disposed directly beneath said at least one solar power array.

6. (cancelled)

7. (currently amended): The assembly of claim 1 wherein ~~[[a]]~~ said rotor bearing assembly is disposed at said second end of said at least one support pillar not having disposed thereon said drive assembly.

8. (currently amended): The assembly of claim 1 ~~wherein said at least one solar power array comprises~~ comprising at least two solar power arrays and ~~wherein said at least one support structure comprises~~ comprising at least two support structures.

9. (cancelled)

10. (original): The assembly of claim 8 wherein said at least two support structures are connected to each other longitudinally.

11. (currently amended): The assembly of claim 7 ~~wherein said at least one solar power array comprises~~ comprising at least two solar power arrays~~[[,]]~~ and ~~wherein said at least one support structure comprises~~ at least two support structures and ~~wherein~~ each end of said horizontal support beam of said at least two support structures are connected to said at least one drive assembly or said at least one rotor bearing assembly so that said at least two support structures are linked.

12. (cancelled)
13. (previously presented): The assembly of claim 1 wherein the ground surface is parking for vehicles.
14. (previously presented): The assembly of claim 5 comprising a canopy for multiple vehicles.
15. (currently amended): The assembly of claim ~~[[1]]~~ 14 wherein said canopy is a carport.
16. (currently amended): The assembly of claim ~~[[5]]~~ 1 wherein the item is a car or truck.
17. (previously presented): The assembly of claim 1 wherein said at least one support pillar is made of concrete.
18. (currently amended): The assembly of claim 1 wherein said at least one drive assembly is attached to one end of said horizontal array support beam and disposed on a mounting plate at a juncture of said longitudinal axis of said horizontal support beam and said longitudinal axis of at least one of said at least one support pillar.
19. (currently amended): The assembly of claim 1 ~~wherein said at least one~~ comprising multiple solar power ~~array~~ arrays is moveable on a single axis.
20. (currently amended): The assembly of claim 1 wherein said ~~single~~ axis is defined by said longitudinal axis of said horizontal support beam.
21. (new) The assembly of claim 1 wherein said sleeve bearing is attached to a bracket.

22. (new) The assembly of claim 21 wherein said bracket is attached to a mounting plate.
23. (new) The assembly of claim 22 wherein said mounting plate is attached to said at least one support pillar.
24. (new) The assembly of claim 1 wherein said coupler torque tube is disposed perpendicular to an end plate.
25. (new) The assembly of claim 24 wherein said end plate is attached to at least one end of said horizontal array support beam.
26. (new) The drive assembly of claim 1 wherein said drive assembly coupler tube is attached to a coupler plate.
27. (new) The assembly of claim 26 wherein a shroud is disposed adjacent to said coupler plate.
28. (new) The assembly of claim 1 wherein said horizontal array support beam links to another horizontal array support beam via said rotor bearing assembly coupler tube.
29. (new) The assembly of claim 1 wherein said horizontal array support beam links to another horizontal array support beam via said drive assembly coupler tube.